

Message Text

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ACTION OES-06

INFO OCT-01 ARA-10 ISO-00 FEA-01 AID-05 CEQ-01 CIAE-00

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L-03 NSF-02 NSC-05 NSAE-00 PM-04 USIA-15 SS-15 SP-02

INT-05 CG-00 DOTE-00 ACDA-10 AGR-10 CEA-01 CIEP-02

DLOS-06 FMC-02 TRSE-00 H-02 JUSE-00 OMB-01 PA-02

PRS-01 SAL-01 /151 W

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R 121430Z AUG 76

FM AMEMBASSY BRASILIA

TO SECSTATE WASHDC 7302

INFO AMEMBASSY BUENOS AIRES

AMEMBASSY LIMA

AMEMBASSY MEXICO CITY

AMEMBASSY QUITO

AMEMBASSY SANTIAGO

UNCLAS BRASILIA 7084

FOR RUTH DEHAAN, OES/OFA/MST

E.O. 11652: N/A

TAGS: TGEN, TECH, BR

SUBJECT: NATIONAL MARINE SCIENCE POLICIES

REF: STATE 186529

EMBASSY SENDING AS INTERIM REPLY TO REFTEL, WHILE FURTHER
INVESTIGATION IN PROGRESS, FOLLOWING RELEVANT SECTION
OF SECOND BASIC PLAN FOR SCIENTIFIC AND TECHNOLOGICAL
DEVELOPMENT (II PBDCT): QUOTE "SECTION III.3-
RESOURCES OF THE SEA:

POLICY DEFINITIONS:

THE RATIONAL EXPLOITATION OF THE SEA BECOMES MORE AND MORE

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THE POSSIBLE SOLUTION FOR A GREAT NUMBER OF HUMANITARY'S
PROBLEMS. FROM THE BRAZILIAN POINT OF VIEW, THE IM-

PORTANCE TO BE ASSIGNED TO THE S&T DEVELOPMENT IN THIS FIELD IS EMPHASIZED BY THE HUGE AREA COMPRISED BY THE BRAZILIAN CONTINENTAL SHELF AND BY THE POSSILITIES PRESENTLY OPENED WITH THE ENLARGEMENT OF ITS TERRITORIAL WATERS TO THE 200 NAUTICAL MILE LIMIT.

THE S&T POLICY CONCERNING RESOURCES OF THE SEA SEEKS TO PROMOTE AN INTEGRAL APPROACH TO THE BRAZILIAN TERRITORIAL SEA AND ITS EXPLORATION, EXPANDING RESEARCH AND THE UTILIZATION OF ITS RESOURCES--INCLUDING SEA LIFE, MINERAL AND ENERGY RESOURCES FROM THE WATERS, THE BOTTOM AND THE SUBSTRATUM--WHICH MAY BE OF ECONOMIC INTEREST.

THE INTERMINISTERIAL COMMITTEE FOR RESOURCES OF THE SEA WAS ESTABLISHED TO ADVISE THE PRESIDENT OF THE REPUBLIC IN FORMULATING MARINE S&T POLICY.

THE PRINCIPAL LINES OF ACTION, FROM WHICH SPECIFIC PROJECTS WILL BE DEVELOPED, ARE AS FOLLOWS:

A. STRENGTHENING OF INSTITUTIONS FOR OCEANOGRAPHIC RESEARCH, AIMING AT THE INTENSIFICATION OF RESEARCH RELATED TO RECONNAISSANCE AND UTILIZATION OF SEA RESOURCES IN THEIR PHYSICAL, CHEMICAL, GEOLOGICAL, AND BIOLOGICAL ASPECTS;

B. ESTABLISHMENT OF THE NATIONAL OCEANOGRAPHIC DATA BANK IN THE BASIC STRUCTURE OF THE DIRECTORY FOR HYDROGRAPHY AND NAVIGATION (DHN) OF THE NAVY MINISTRY; PRIORITY PROJECTS

BUDGET: \$19 MILLION FOR TRIENNium 1975/1977.

DESCRIPTION: A. RECONNAISSANCE OF THE BRAZILIAN CONTINENTAL SHELF. THE PROJECT HAS THE PURPOSE OF DEVELOPING THE COLLECTION OF BASIC KNOWLEDGE OF THE FORM AND THE NATURE OF THE ENTIRE BRAZILIAN CONTINENTAL SHELF, HAVING AMONG ITS AIMS PERSONNEL TRAINING, GLOBAL RECONNAISSANCE OF THE SHELF, ACQUISITION OF DATA TO ESTABLISH GUIDELINES FOR OCEANOGRAPHIC RESEARCH, INTRODUCTION OF NEW RESEARCH TECHNIQUES IN MARINE GEOLOGY AND OCEANOGRAPHY, AND IDENTIFICATION OF POSSIBILITIES FOR EXPLORATION OF MINERAL

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RESOURCES, ESPECIALLY PETROLEUM.

RESPONSIBLE ENTITIES: PETROBRAS RESEARCH CENTER (CENPES), NATIONAL MINERAL PRODUCTION DEPARTMENT (DNPM), MINERAL RESOURCES RESEARCH COMPANY (CPRM), CNPQ, AND DHN.

B. PROJECT CABO FRIO: THE MAIN PURPOSE OF THIS PROJECT IS THE STUDY AND DEVELOPMENT OF TECHNIQUES FOR THE STIMULATED CULTURE OF FISH, CRUSTACEOUS AND MOLLUSKS AT CABO FRIO BAY AND NEARBY WATERS, BY MEANS OF THE INTRODUCTION OF FERTILE DEEP-OCEAN WATER. THE PROJECT WILL PRODUCE

ICE AND BRINE AS BY-PRODUCTS WHICH COULD BE UTILIZED IN INDUSTRIAL ACTIVITIES. IN THE TRIENNium 1975/1977, MARICULTURE RESEARCH AND DEVELOPMENT WILL CONTINUE AND THREE INSTITUTES (MARINE PHYSICS, MARINE CHEMISTRY, AND MARINE BIOLOGY) WILL BE ESTABLISHED. THE IMPLEMENTATION OF A COMMERCIAL-SCALE PLANT FOR ICE AND DESALTED WATER PRODUCTION WILL DEPEND UPON THE EXPERIMENTAL RESULTS FROM THE PILOT-PLANT ALREADY IN OPERATION.
RESPONSIBLE ENTITY: NAVAL RESEARCH INSTITUTE (IPQM)

C. OCEANOGRAPHIC DATA BANK: THE PROJECT SEEKS THE ESTABLISHMENT AND OPERATION OF A NATIONAL OCEANOGRAPHIC DATA BANK DESIGNATED TO: (1) COLLECT INFORMATION REGARDING PHYSICAL AND CHEMICAL CHARACTERISTICS OF THE SEA WATER, GEOLOGICAL INFORMATION FROM THE SHELF, BIOLOGICAL INFORMATION, ETC IN THE ATLANTIC OCEAN SOUTH OF 15 DEGREE NORTH LATITUDE; (2) PROCESS AND ANALYZE THESE DATA AND DISSEMINATE THEM IN PUBLICATION AND SPECIAL REPORTS, IN ORDER TO TAKE CARE OF NATIONAL REQUIREMENTS FOR RESEARCH FOR EXPLOITATION OF LIVING AND MINERAL RESOURCES OF THE SHELF, AND FOR OCEANOGRAPHIC ENGINEERING.
RESPONSIBLE ENTITY: DHN.

D. SHOCK-WAVE PROPAGATION: THE DEVELOPMENT, DESIGN, AND CONSTRUCTION OF PROTOTYPES FOR THE EXPLORATION OF THE CONTINENTAL SHELF THROUGH THE DEVELOPMENT OF THE APPLICATION OF SHOCK-WAVE PROPAGATION PHENOMENA IN VARIOUS MEDIA AND FOR VARIOUS USES. THE UTILIZATION WOULD INCLUDE ASSEMBLIES OF DETONATING SYSTEMS FOR INDUSTRIAL APPLICATION, EXPLOSIVE ANCHORS, AND AUTOMATIC BOTTOM SAMPLERS. A FUTURE TRANSFER OF RESULTS TO THE NATIONAL
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PRIVATE SECTOR IS ENVISAGED.
RESPONSIBLE ENTITY: IPQM

E. SUBMARINE ACOUSTIC STATION: THE ESTABLISHMENT AND OPERATION OF A SUBMARINE ACOUSTIC STATION AT CABO FRIO TO CONDUCT EXPERIMENTS ON THE PROPAGATION OF SOUND IN THE SEA. THE DEVELOPMENT OF EQUIPMENT TO BE USED IN UNDERWATER DETECTION, IN RECONNAISSANCE, AND IN THE EXPLORATION OF THE RESOURCES OF THE SEA.
RESPONSIBLE ENTITY: IPQM.

F. INTEGRATED PROGRAM OF OCEANOGRAPHY: THE PROGRAM AIMS TO STIMULATE PROJECTS OF APPLIED RESEARCH DEVELOPED BY INSTITUTIONS STUDYING THE MARINE ENVIRONMENT, WITH THE PURPOSE OF SURVEYING AND UTILIZING THE RESOURCES OF THE SEA AND OF THE BRAZILIAN CONTINENTAL SHELF, IN ACCORDANCE WITH THE ESTABLISHED GUIDELINES OF THE NATIONAL POLICY FOR RESOURCES OF THE SEA.

RESPONSIBLE ENTITIES: VARIOUS. UNQUOTE
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